Department of Defense Activity Address Directory (DoDAAD) Reengineering Project

DoDAAD Reengineering

Purpose:
- **Respond to J-6 request for briefing, prior to responding to J-3 memorandum requesting reengineering**
- **Obtain J-6 approval to move forward**

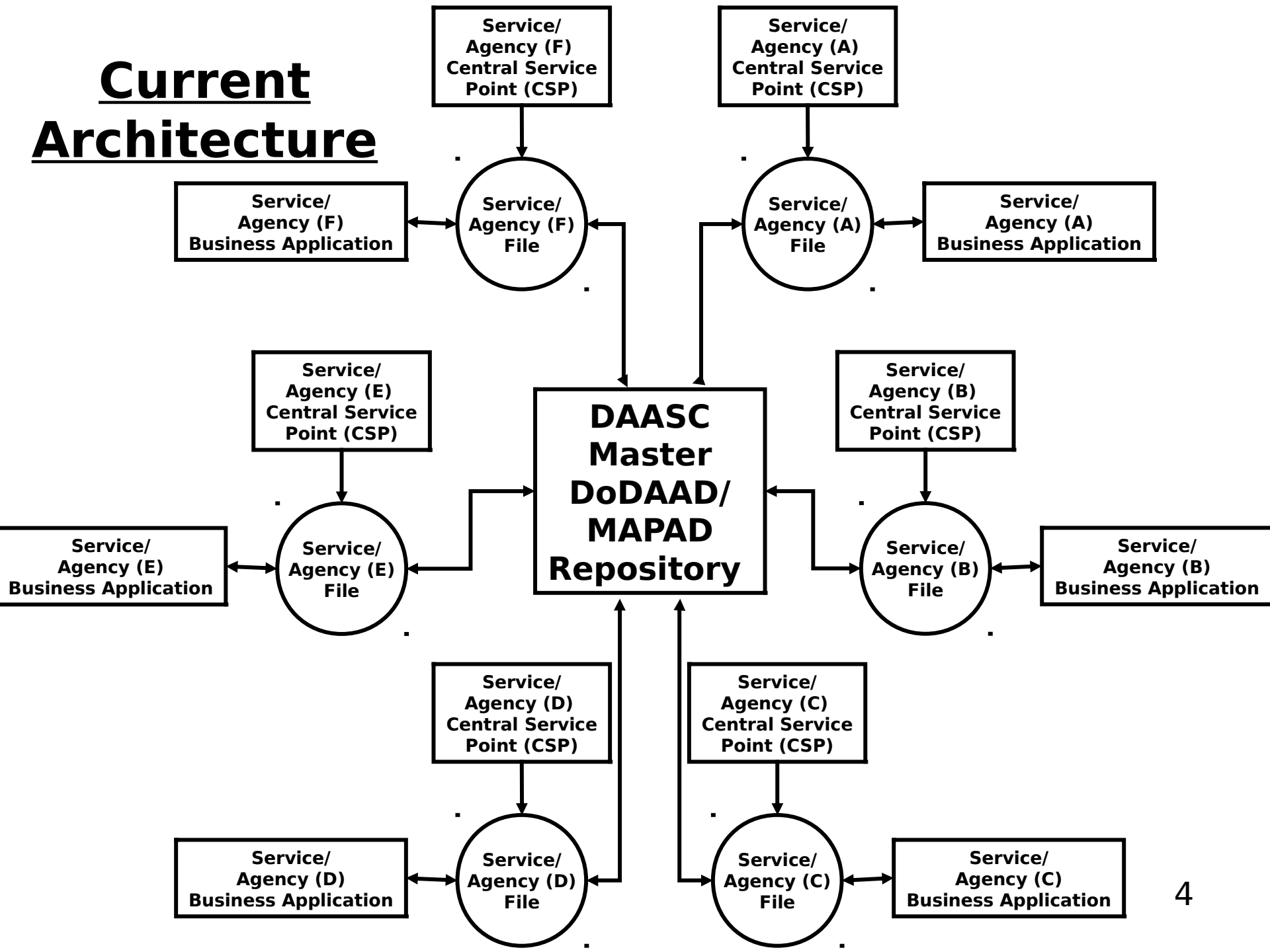**Outline:**
- **Background**
- **Graphic depicting current architecture**
- **Current architectural functional/technical deficiencies**
- **New data requirements examples**
- **Reengineered "to-be" architecture graphic**
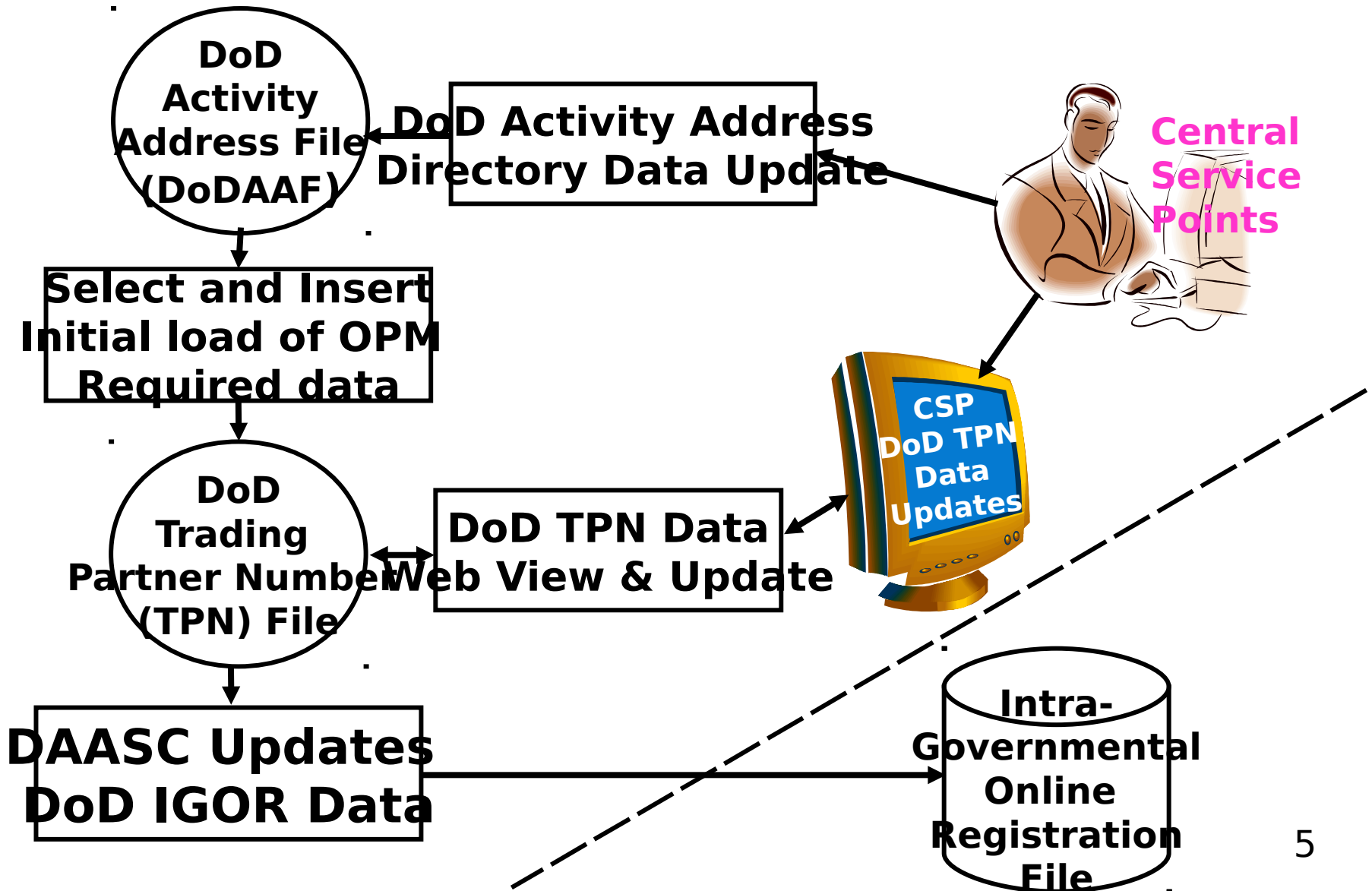- **What's been done to date**
- **Next steps**

Background

- **DODAAD is a critical reference repository that supports logistics procurement and financial business processes:**
  - ❖ **Applications access DoDAAD data thousands of times daily**
  - ❖ **DoDAACs identify authorized users, ship to locations, and bill payers; control business rule application; key to tracking and summaries**
- **Its basic functional and technical architecture obsolete**
- **Has come under internal and external criticism**
- **Business reengineering/modernization efforts hampered**
- **GAO has been told DoDAAD will be reengineered**

Current Architecture

Service/ Agency (F) Central Service Point (CSP)

Service/ Agency (A) Central Service Point (CSP)

Service/ Agency (F) Business Application

Service/ Agency (F) File

Service/ Agency (A) File

Service/ Agency (A) Business Application

Service/ Agency (E) Central Service Point (CSP)

DAASC Master DoDAAD/ MAPAD Repository

Service/ Agency (B) Central Service Point (CSP)

Service/ Agency (E) Business Application

Service/ Agency (E) File

Service/ Agency (B) File

Service/ Agency (B) Business Application

Service/ Agency (D) Central Service Point (CSP)

Service/ Agency (C) Central Service Point (CSP)

Service/ Agency (D) Business Application

Service/ Agency (D) File

Service/ Agency (C) File

Service/ Agency (C) Business Application

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DoD CONOPS Approach To Develop Initial Load & Update of the DoD Trading Partner Number (TPN)

DoD Activity Address File (DoDAAF)

DoD Activity Address Directory Data Update

Central Service Points

Select and Insert Initial load of OPM Required data

CSP DoD TPN Data Updates

DoD Trading Partner Number (TPN) File

DoD TPN Data Web View & Update

DAASC Updates DoD IGOR Data

Intra-Governmental Online Registration File

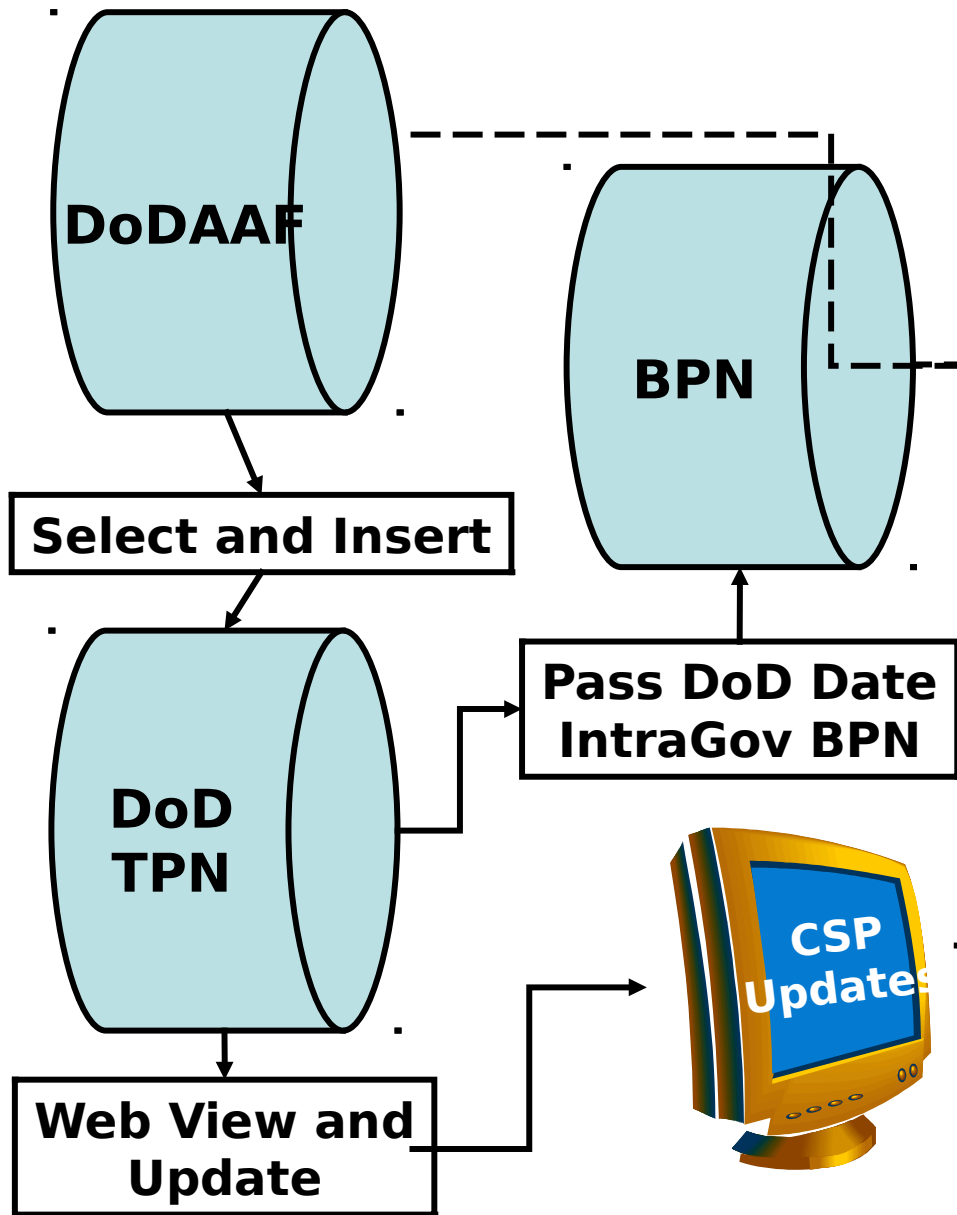# Current DoDAAD Architecture Deficiencies

- **Discrepancies between DAASC authoritative source file and Component copies cause delay and/or erroneous processing of operational logistics transactions**

- **Reconciliation between DAASC authoritative source file and Component files are resource intensive and ineffective**

- **Authoritative source file does not contain all data required to support current processes:**
  - ❖ **Components have appended new data to locally maintained files**
  - ❖ **Lacks data to support new initiatives e.g., OMB IntraGov/transactions**

- **Technical architecture does not support:**
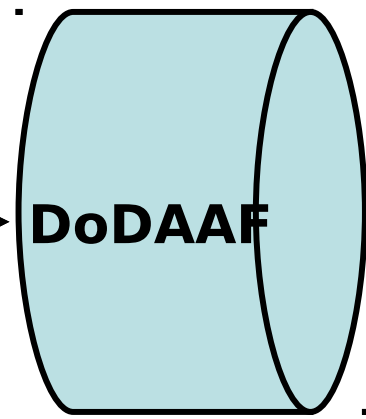
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New Data Requirement Exam

- **Major Commands/Bureaus**
- **Authority Code**
- **Treasury Index code**
- **Agency Location Code**
- **Container Consolidation Points (CCP)**
- **Break Bulk Point code**
- **Aerial Port of Debarkation (APOD)**
- **Water Port of Debarkation (WPOD)**
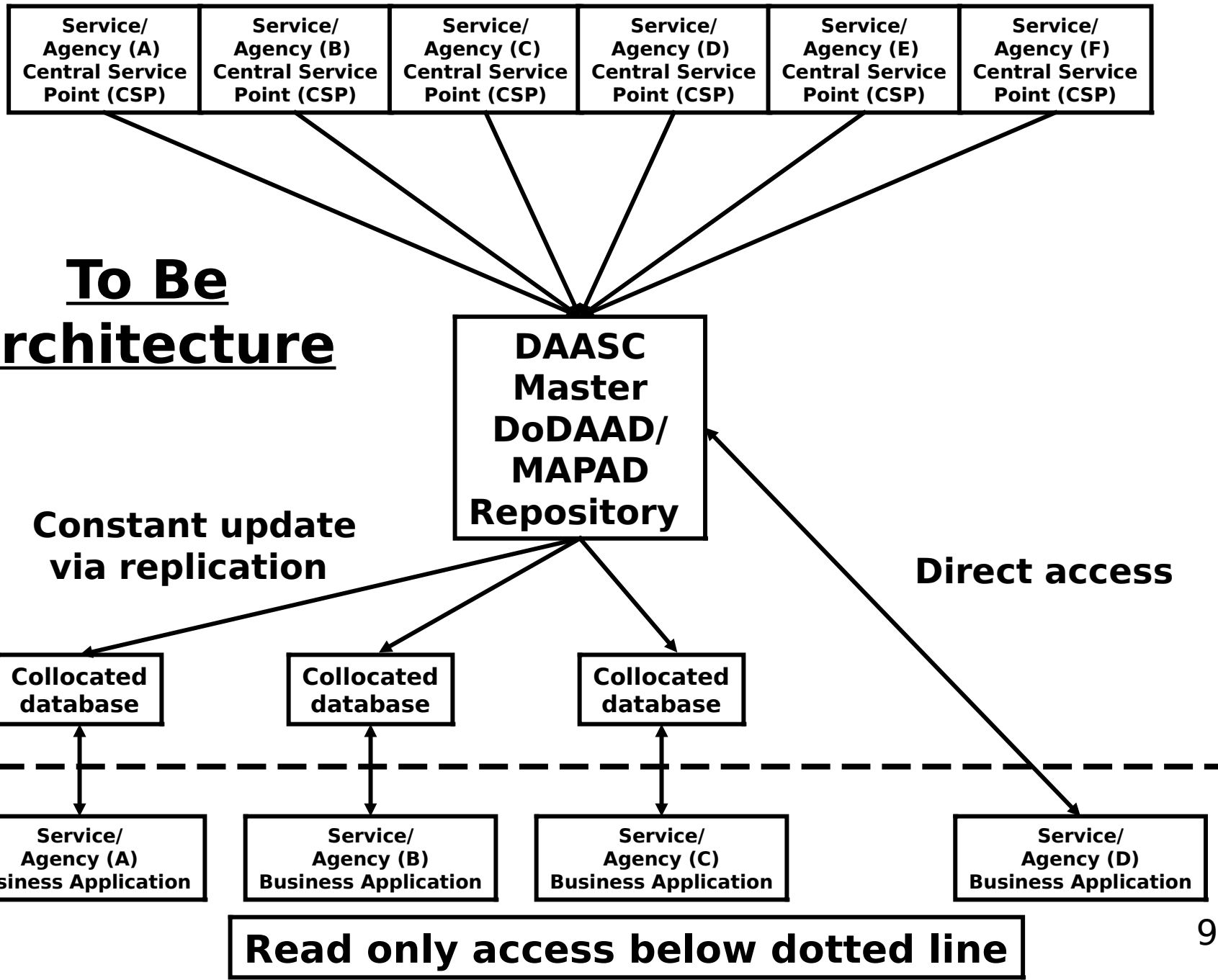
OMB BPN Requirement
"Near Term Satisfaction"

Reengineered DoDAA

DoDAAF

BPN

Select and Insert

DoD TPN

Pass DoD Date IntraGov BPN

CSP Updates

DoDAAF

Web View and Update

- **Single data base satisfyi data requirements**
  - ❖ **DoD components**
  - ❖ **OMB IntraGov**
- **Single Web update**

Service/ Agency (A) Central Service Point (CSP)	Service/ Agency (B) Central Service Point (CSP)	Service/ Agency (C) Central Service Point (CSP)	Service/ Agency (D) Central Service Point (CSP)	Service/ Agency (E) Central Service Point (CSP)	Service/ Agency (F) Central Service Point (CSP)

To Be Architecture

DAASC Master DoDAAD/ MAPAD Repository

Constant update via replication

Direct access

Collocated database	Collocated database	Collocated database

Service/ Agency (A) Business Application	Service/ Agency (B) Business Application	Service/ Agency (C) Business Application	Service/ Agency (D) Business Application

Read only access below dotted line

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What's Been Done

- **Held DoDAAD Process Review Committee (PRC) meetings to begin determining Component data requirements**
- **POM'd for reengineering effort within IDE POM**
- **Attempted to secure funding for FY02 start (unsuccessful), funds available for FY03 start**
- **Multiple meetings with DUSD(L&MR) staff, USD(C), and OMB on initial Intra-Governmental Online Registry (IGOR) data reqts**
- **Held joint DoDAAD/Financial PRC meeting on OMB near term requirements**
- **Developed approach for satisfying OMB IGOR requirements**
- **Provided DAASC with requirements for IGOR**
- **Drafted DoDAAD Reengineering Concept of Operations**
- **DLMSO/DAASC meetings to refine and reach Concept of Operations agreement**

What's Next

- **Validate/finalize Component/OMB data requirements**
- **Identify data element validation criteria**
- **Identify standard WEB queries/reports**
- **Identify applications requiring direct access and those requiring collocated files**
- **Select and acquire required COTS software**
- **Develop database design/load test data**
- **Initial load of database (this requires feeds from current Component local files)**

What's Next (Continued)

- **Develop and approve test plan and identify test partners (BSM and DSS recommended)**
- **Develop WEB database update and query**
- **Test prototype**
- **Develop user training program**
- **Expand prototype to production**
- **Revise DoD policy – mandate DAASC DoDAAD as sole authoritative source**
- **Revise DLMS manuals**

End State Objective

- **As Requested by DUSD(LM&R) Reengineer DoDAAD improving its functionality, accuracy, and efficiency**

- **Develop and prove out a repeatable process that can be applied to the other key DoD reference repositories supporting logistics business functions**